

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

One Source Automation & Technologies

Indiana MEP - Purdue Technical Assistance Program

One Source Automation & Technologies Awarded New Business with Assistance from TAP

Client Profile:

One Source Automation & Technologies is a custom integration company, providing custom turnkey automated solutions to their clients, which include Leroy Somers, ICG Castings, LynRus Aluminum Products, and Airo Die Castings. The company employs 6 people at its facility in Peru, Indiana.

Situation:

One Source Automation & Technologies had the opportunity to design and build a generator test stand that would require a computer-aided finite analysis to meet its extremely stringent resonance and deformation requirements. The company had modal analysis results of the machine, but needed to better understand the analysis and the machine requirements. They contacted the Purdue Technical Assistance Program (TAP), a NIST MEP network affiliate, for assistance.

Solution:

TAP provided faculty and staff from the schools of mechanical engineering and mechanical engineering technology to evaluate the resonance of the machinery based upon the modal finite analysis and specifications provided by the company. The analysis was completed in a timely manner, and the client was awarded the business.

Results:

- * Realized cost savings between \$5,000 and \$8,000 to have TAP review analysis.
- * Awarded new contract

Testimonial:

"To have an outside contract engineering company review our analysis would have cost us between five and eight thousand dollars. By using the resources through the TAP program, we were able to save the money and still receive the assurance that the analysis was done correctly. The project was a complete success and the customer was very pleased. In fact, because of the success of our partnership with TAP, the customer has asked us to build another test board for them. I suggest that if any other business needs technical assistance, it would be of their benefit to use TAP resources to get the job done."

Marty Veller, President